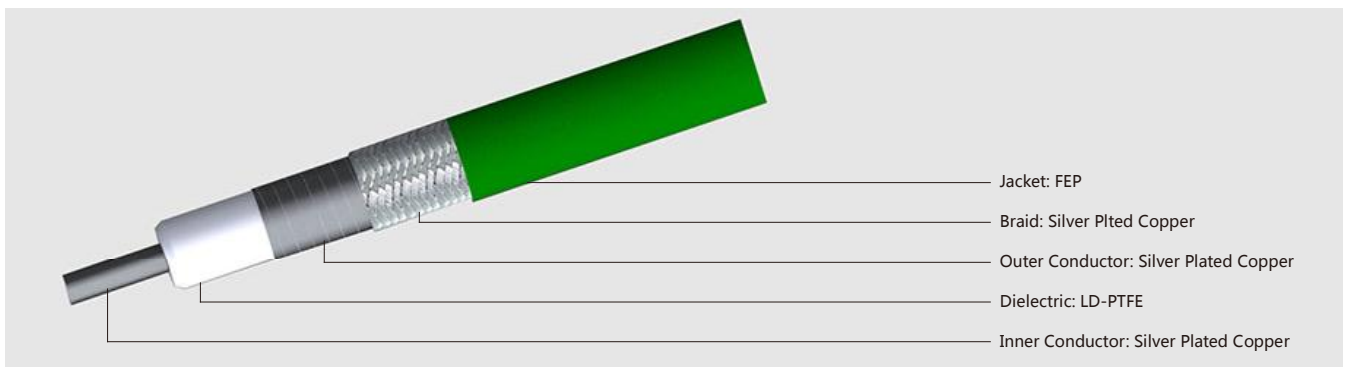


# SUPO Series Cable

ANOISON SUPO is a flexible coaxial cable series . adopts the structure of special design and advanced production technology, make the cable in the range of frequencies has excellent electric and mechanical performance, and has a high cost performance, is the first selection of ANOISON SUPO series low cost solution. The electrical properties of the signal transmission rate reaches 77%, temperature phase stability is less than 1300 PPM, but also has low loss, low standing wave, shielding efficiency higher characteristic. Mechanical performance, the overall low density insulation and copper tape around the package, the cable has a better bending and the excellent mechanical stability of the phase Environmental resistant, the cable using resistance to environmental performance excellent raw material, make its have use temperature scope wide, corrosion resistance, mouldproof moistureproof, flame retardant etc.



### Mechanical Characteristics

Cable Type	SUPO-059	SUPO-090	SUPO-125	SUPO-150	SUPO-216
Dimensions	MM INCH	MM INCH	MM INCH	MM INCH	MM INCH
Inner Conductor	0.29 0.011	0.53 0.021	0.73 0.029	0.93 0.037	1.45 0.057
Dielectric	0.80 0.032	1.55 0.061	2.20 0.087	2.70 0.106	4.20 0.165
Outer Conductor	1.20 0.047	2.05 0.081	2.85 0.112	3.38 0.133	4.85 0.191
Jacket	1.50 0.059	2.40 0.094	3.20 0.126	3.85 0.152	5.50 0.216
Min. Static Bend Radius	6.40 0.252	11.00 0.433	12.00 0.472	12.00 0.472	18.00 0.709
Weight	9.9 g/m	14 g/m	27 g/m	28 g/m	63 g/m
Temperature Range(°C)	-65 to +165	-65 to +165	-65 to +165	-65 to +165	-65 to +90

### Electrical Characteristics

Cable Type	SUPO-059	SUPO-090	SUPO-125	SUPO-150	SUPO-216
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Velocity of Propagation	77%	77%	77%	77%	77%
Shielding Effectivene (@1GHz)	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB
Capacitance	87pF/m	87pF/m	87pF/m	87pF/m	88pF/m
Time Delay	4.3 nS/m	4.3 nS/m	4.3 nS/m	4.3 nS/m	4.3 nS/m
Frequency Range	67 GHz	67 GHz	50GHz	40GHz	26.5GHz
Dielectric withstanding voltage	800 VRMS	1000 VRMS	1200 VRMS	1200 VRMS	1500 VRMS
Phase Stability vs Flexure (@4GHz)	±1.3	±1.5	±1.6	±1.65	±1.75
Phase Stability vs Flexure (@18GHz)	±6.9	±7.0	±7.2	±7.8	±8.2
Phase Change vs Temperature(ppm) -55°C~+85°C	≤1300	≤1300	≤1300	≤1300	≤1300

**Attenuation (TYP.) @ 20°C and Seal Level**

Frequency (GHz)	SUPO-059 dB/100m	SUPO-090 dB/100m	SUPO-125 dB/100m	SUPO-150 dB/100m	SUPO-216 dB/100m
0.5	79	-	-	28	17
1	109	63.8	46	40	25
3	182	107.8	78	69	40
4	220	122.9	89	79	47
6	271	153	111	98	59
8	297	179.8	131	113	63
10	326	201.5	152	127	72
12	382	219.2	167	138	82
15	399	-	187	155	94
18	488	271.5	207	169	110
26.5	587	328.9	259	214	160
33	-	-	285	-	
40	896	413.5	326	260	
50	1005	466.1	378		
67	1191	562.8			